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(74) Agents: **KIDDLE, Simon** et al.; Mewburn Ellis LLP, York  
House, 23 Kingsway, London Greater London WC2B 6HP  
(GB).

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(71) Applicant (*for all designated States except US*): **THE  
UNIVERSITY COURT OF THE UNIVERSITY OF  
GLASGOW** [GB/GB]; Gilbert Scott Building, University  
Avenue, Glasgow Aberdeenshire G12 8QQ (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **PARENTY, Alexis**  
[GB/GB]; 22 Cecil Street, Glasgow Aberdeenshire G12  
8RH (GB). **CRONIN, Leroy** [GB/GB]; The Waltry New  
Lodge, 67 Antermony Road, Milton of Campsie, East  
Dunbartonshire Aberdeenshire G66 8AA (GB). **BROWN,  
Robert** [GB/GB]; 22 Allan Road, Killearn G63 9QE (GB).

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(54) Title: HETEROCYCLIC AROMATIC COMPOUNDS

(57) Abstract: New classes of heterocyclic aromatic cationic compounds are disclosed, and in particular new classes of phenanthri-  
dinium derivatives, most notably dihydro-imidazo-phenanthridinium (DIP) compounds. These findings are based on the reaction of  
the middle b ring of a phenanthridinium core with primary amines to form DIP compounds (Formula A) or secondary amines to form  
2-aminoalkyl phenanthridinium derivatives (Formula B). These reactions can also be applied to other classes of starting compounds  
which comprise a 6-membered ring aromatic heterocycle having a ring nitrogen and at least one alpha hydrogen atom which can be  
reacted with a primary or secondary amine.



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